



# FEMA



Prepared by:  
*Daniel Lamb*

# FEMA Region 6 Weather Threat Briefing

Thursday, May 10, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

## Today

- Isolated severe storms possible early this evening over the **OK & TX** panhandles.
- Elevated to critical fire weather conditions over **NM, West TX**, and the **OK Panhandle**.

## Friday and Saturday

- Elevated to critical fire weather conditions over **NM, West TX**, and the **OK Panhandle**.

## Sunday and Monday

- No significant weather expected.

## River Flood Status

- Minor river flooding continues across portions of **AR** and **LA**. No significant impacts.

# FEMA Region 6 Threat Matrix

May 10, 2018 – May 14, 2018



**SR ROC**  
REGIONAL OPERATIONS CENTER

DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms	OK & TX Panhandles				
Heavy Rain / Flash Flooding					
Fire Weather	NM, W TX, OK Panhandle	NM, W TX, OK Panhandle	NM		
Winter Weather					
River Flooding	AR, LA				

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# 5-Day Precipitation Forecast & River Flood Status

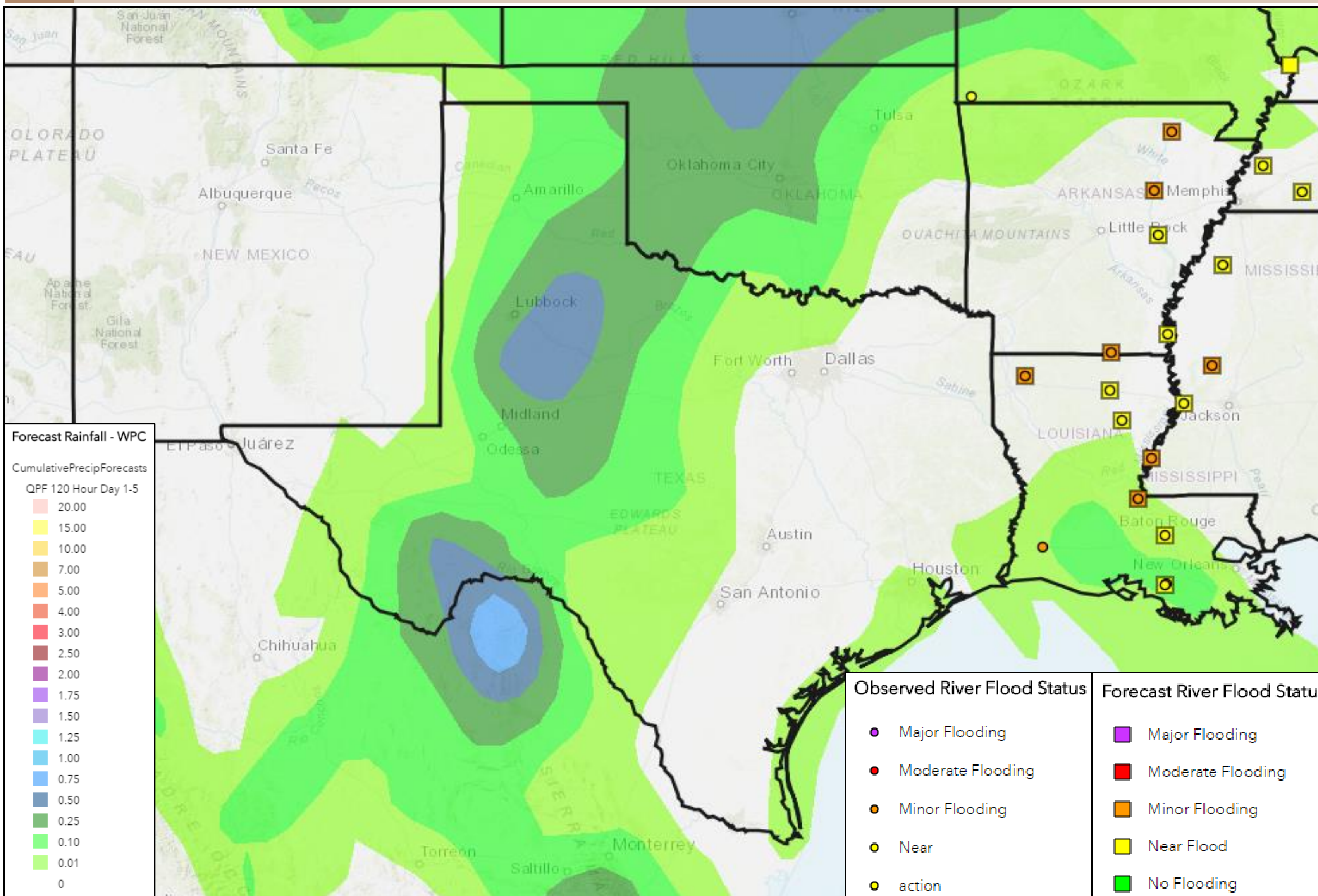


**SR ROC**  
REGIONAL OPERATIONS CENTER

*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**Minor river flooding continues across portions of AR & LA through this week; no significant impacts are noted.**

**Rainfall in the next five days is not expected to produce additional river flooding.**



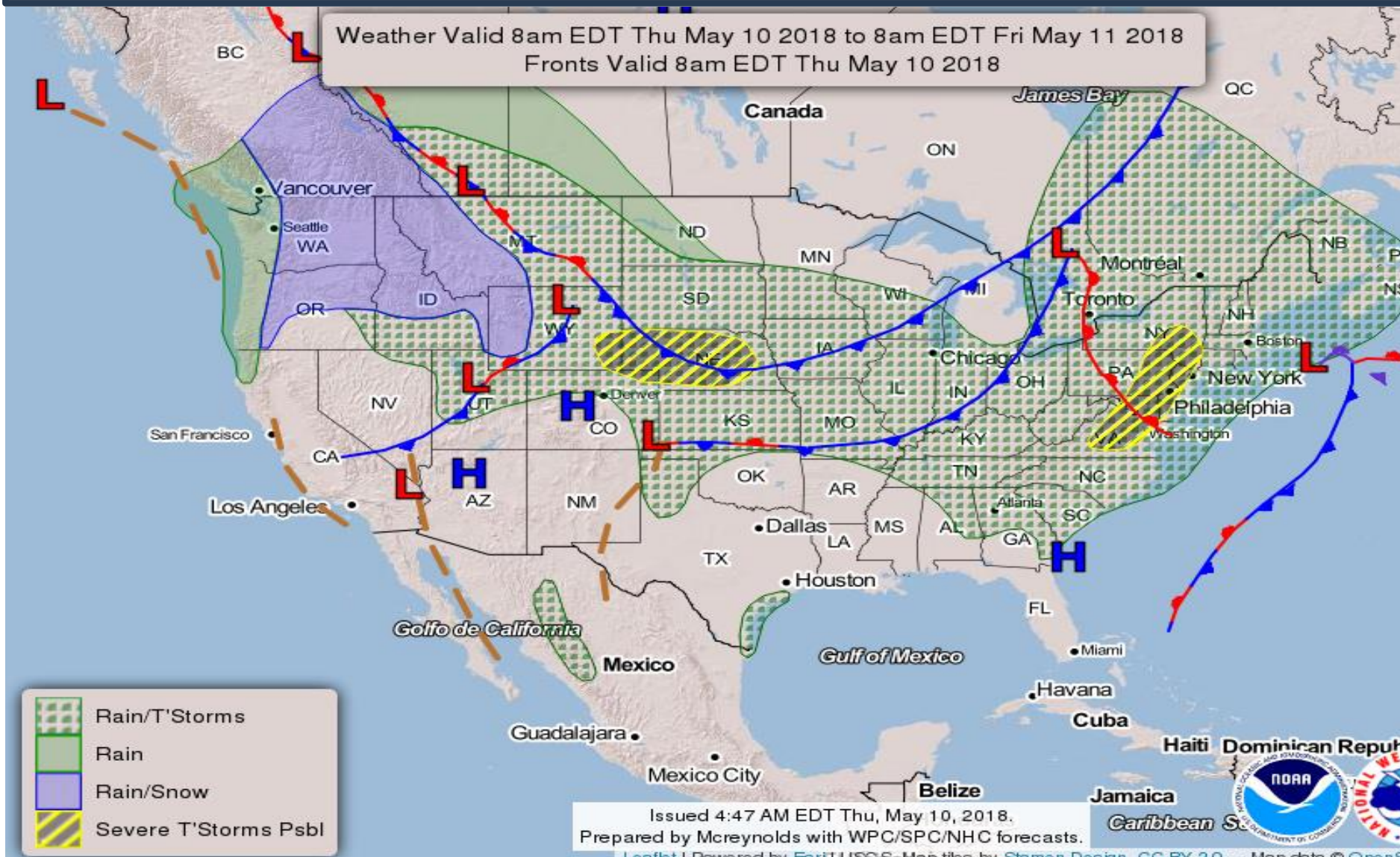


# Today's Weather



SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart

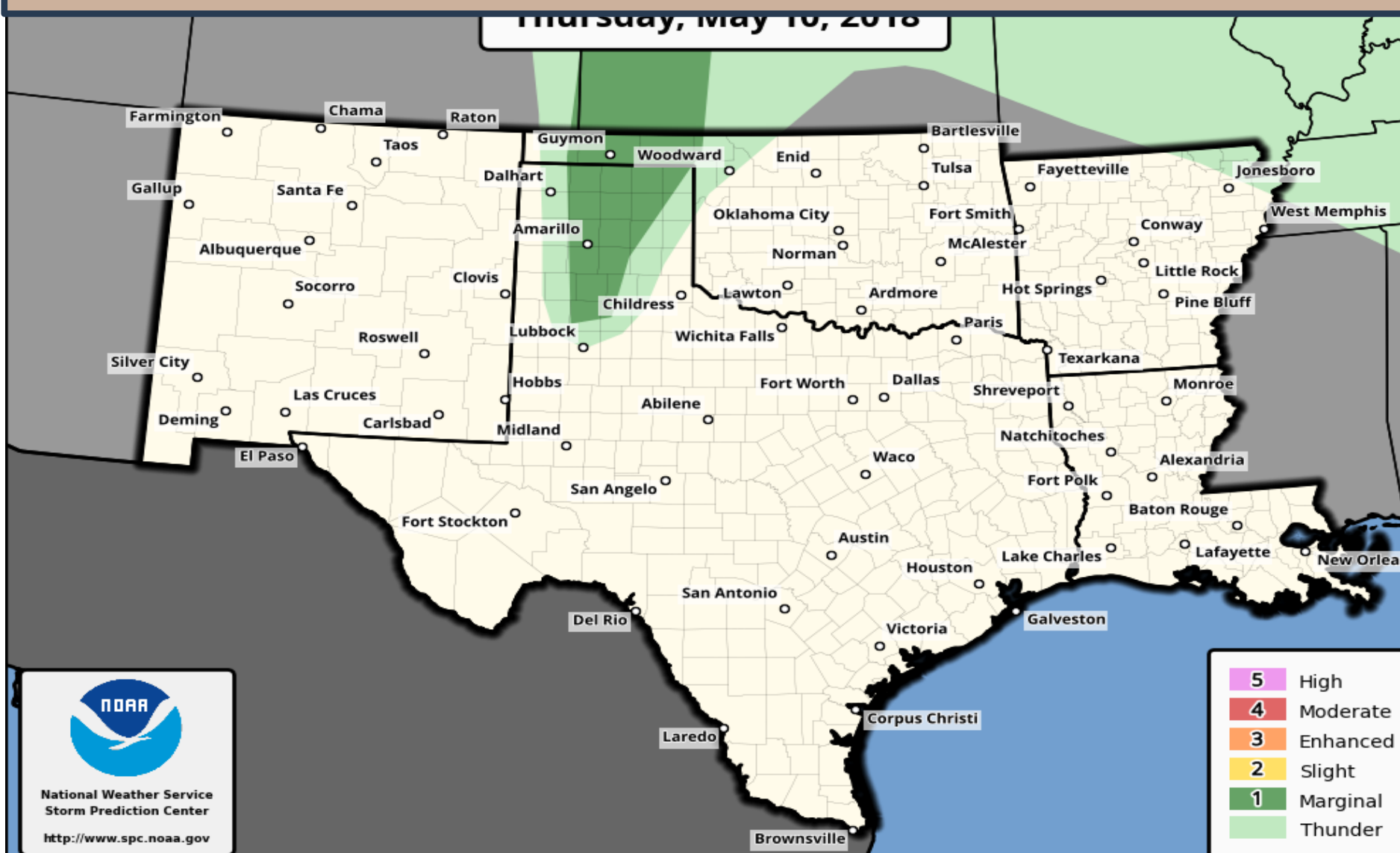


## Forecast Rainfall



**Isolated severe storms possible over the OK & TX panhandles early this evening. Damaging wind gusts and large hail are the main threats with any severe storms.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

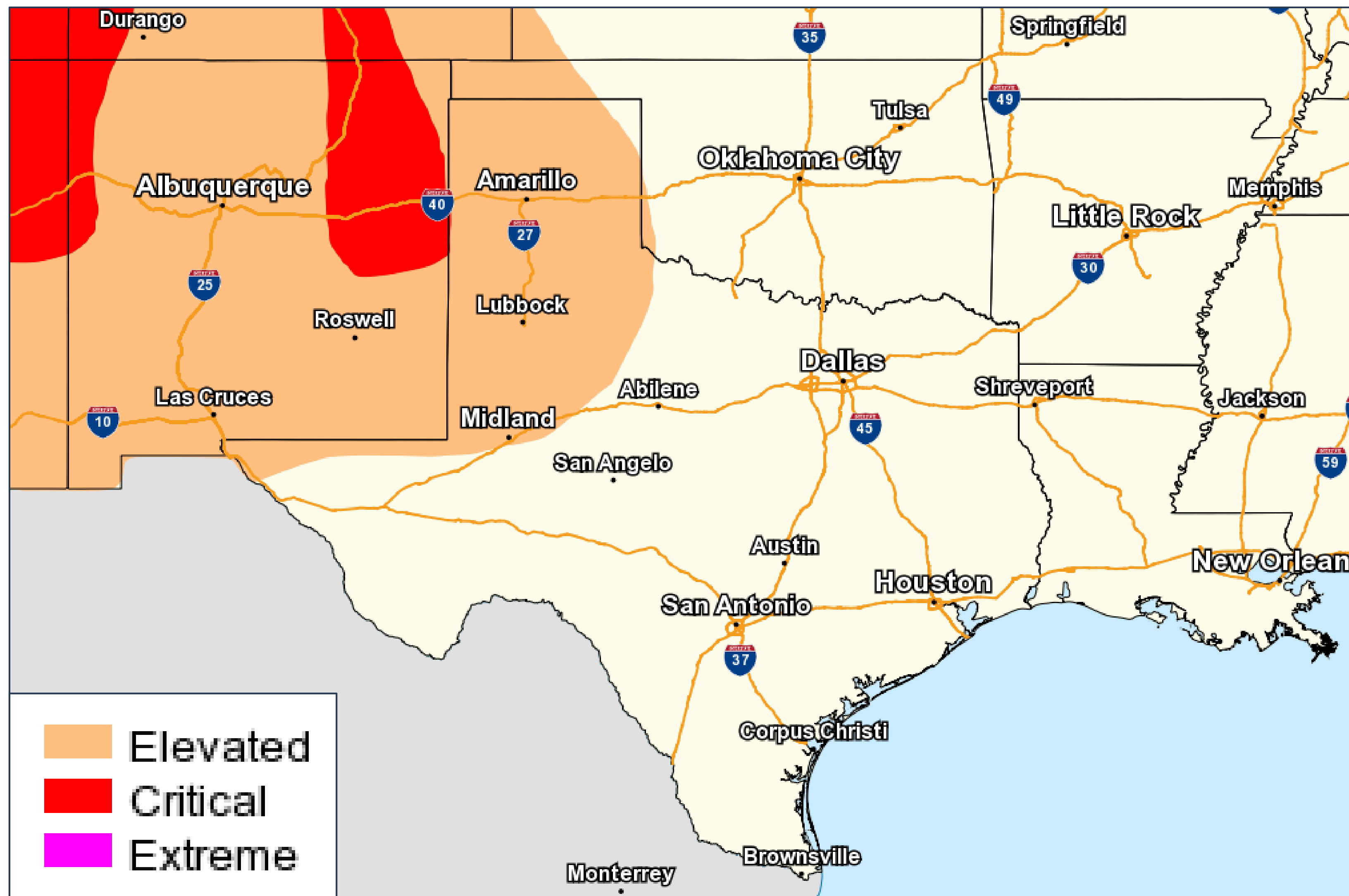




# Today's Fire Weather Outlook



**SR ROC**  
REGIONAL OPERATIONS CENTER



**Elevated to critical fire weather conditions are expected across NM, WTX, and the OK Panhandle. Red Flag Warnings have been posted for many of these areas.**

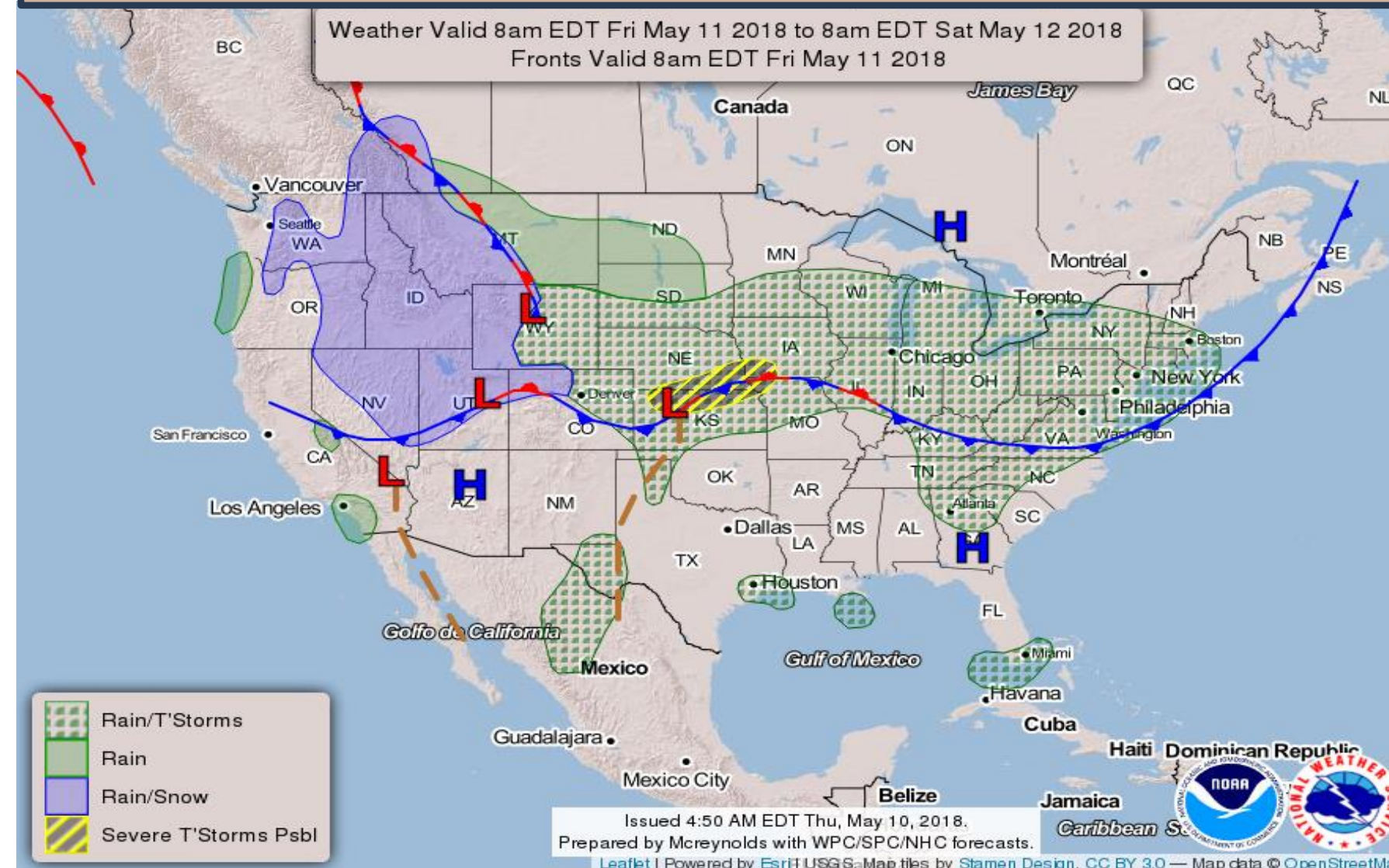


# Tomorrow's Weather

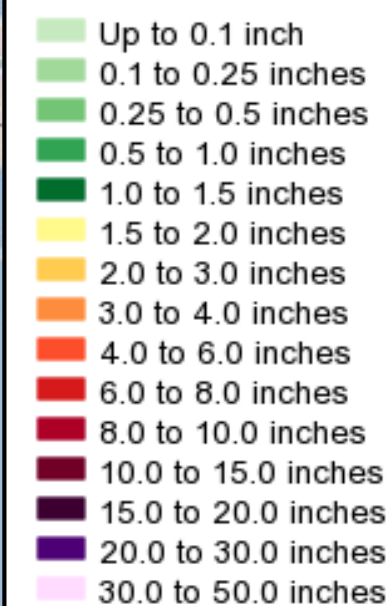


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart



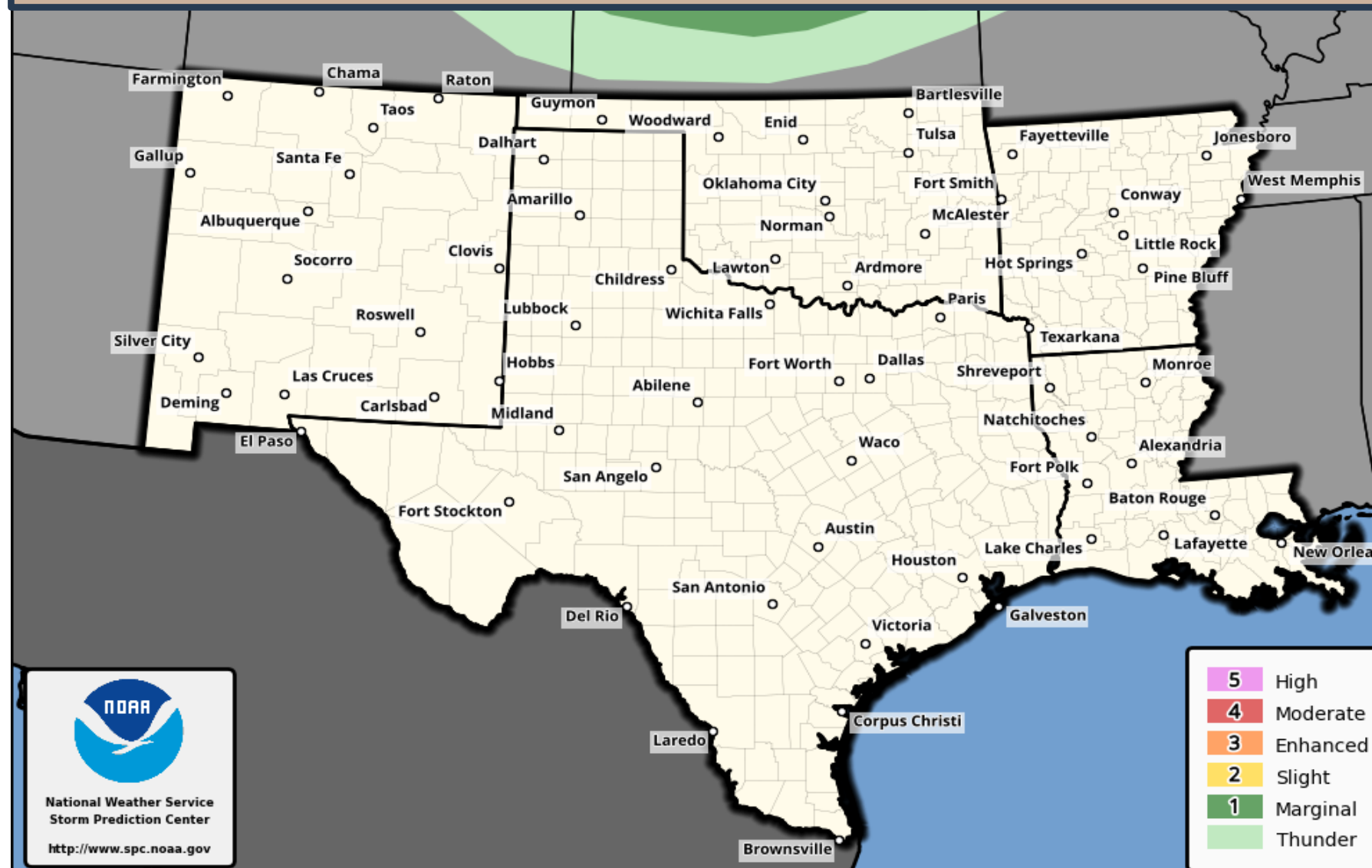
## Forecast Rainfall



Graphic Created  
May 10th, 2018  
7:52 AM CDT

No significant weather  
expected.

## Severe Weather Outlook



## Excessive Rainfall Outlook

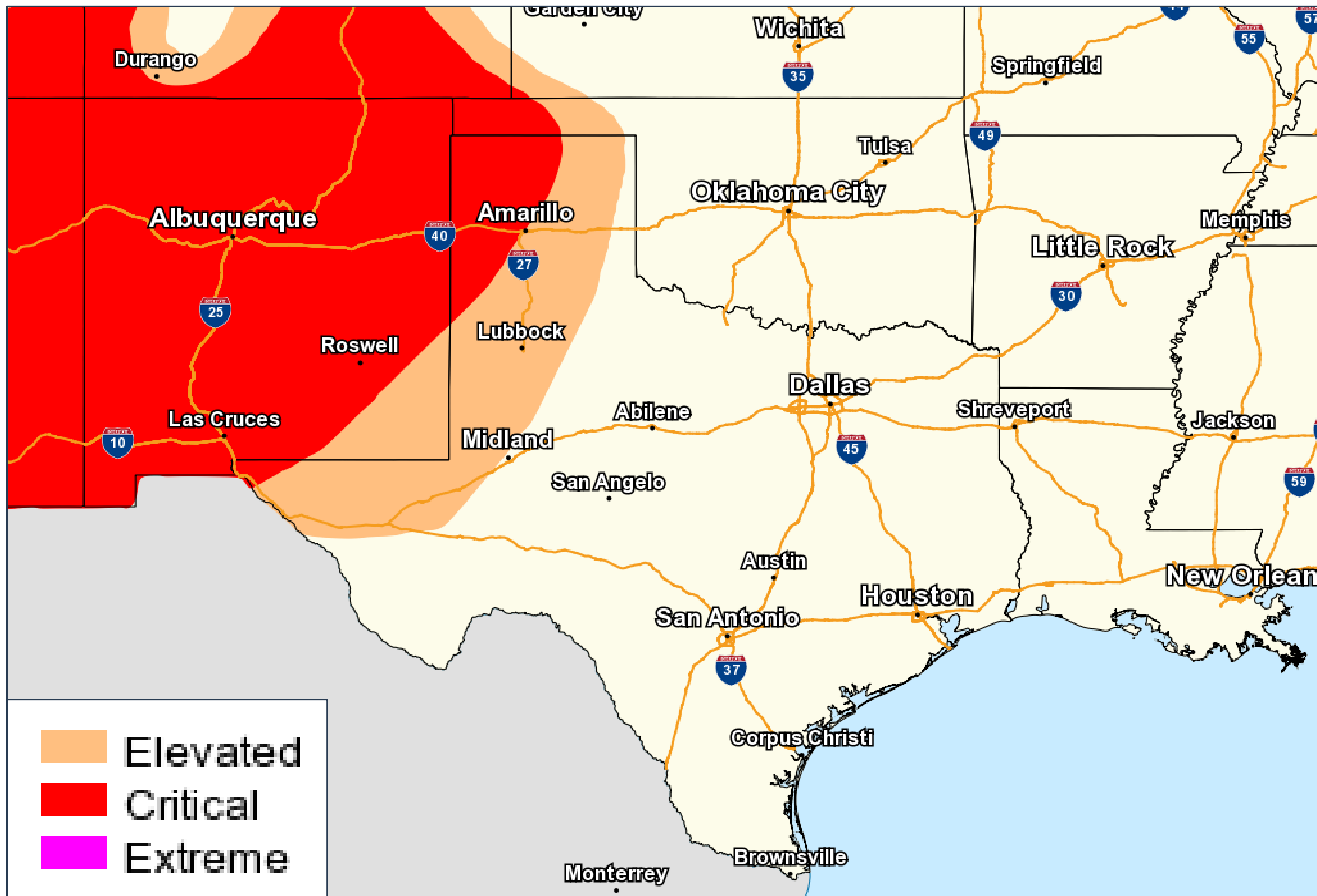




# Tomorrow's Fire Weather Outlook



**SR ROC**  
REGIONAL OPERATIONS CENTER



**Elevated to critical fire weather conditions are expected across NM, W TX, and the OK Panhandle. Red Flag Warnings are in effect for much of this area.**



# Saturday's Weather



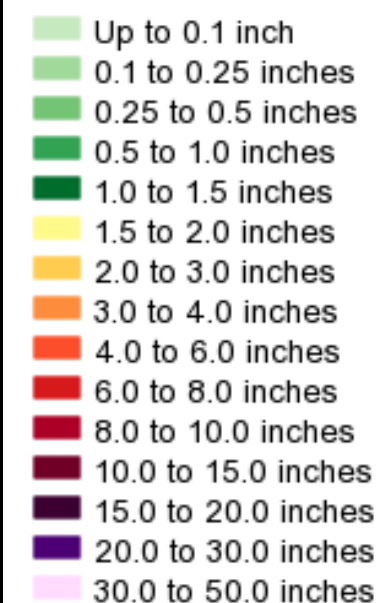
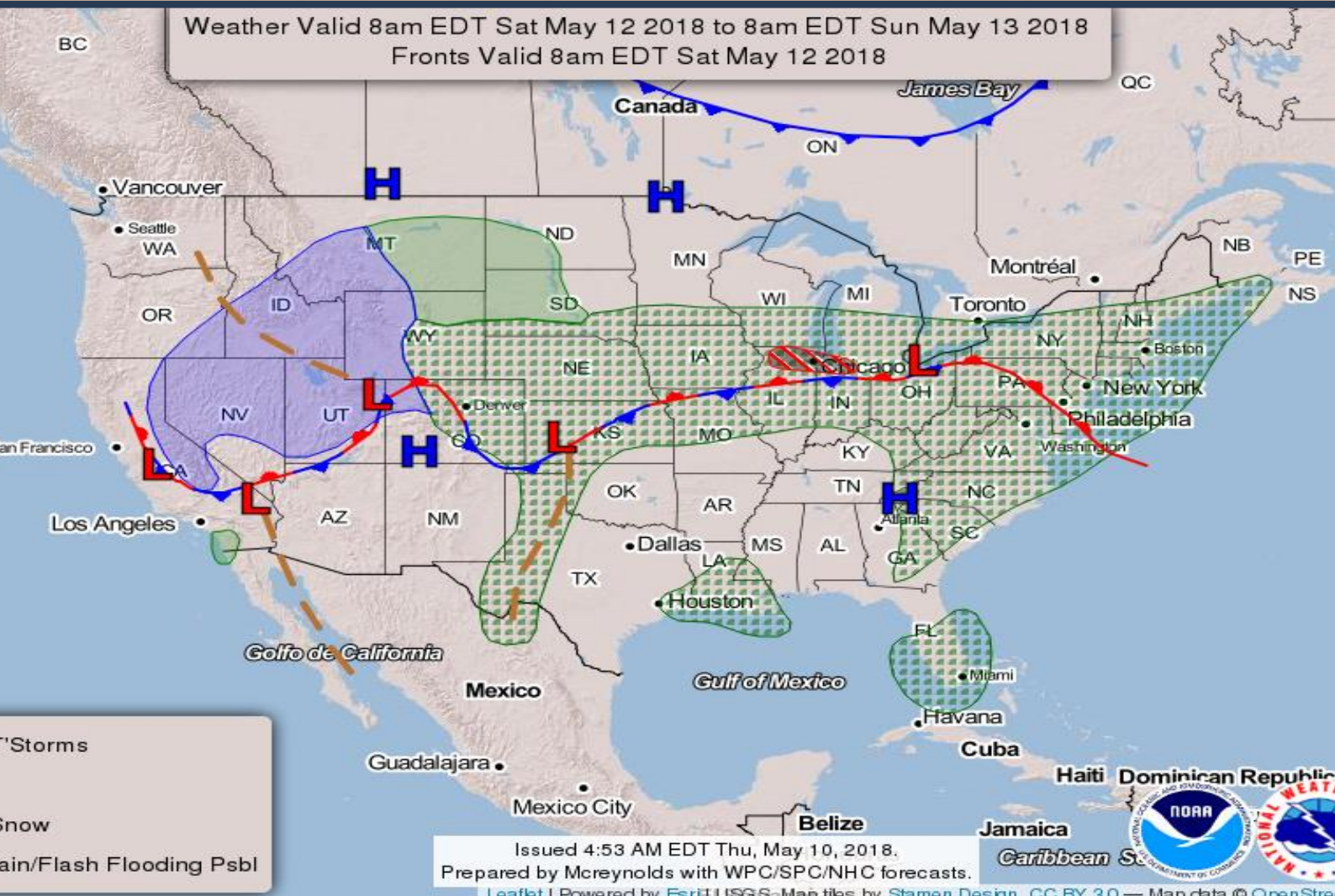
SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart

## Forecast Rainfall

No significant weather  
expected.

Elevated to critical fire  
weather conditions in NM.



Graphic Created  
May 10th, 2018

## Severe Weather Outlook

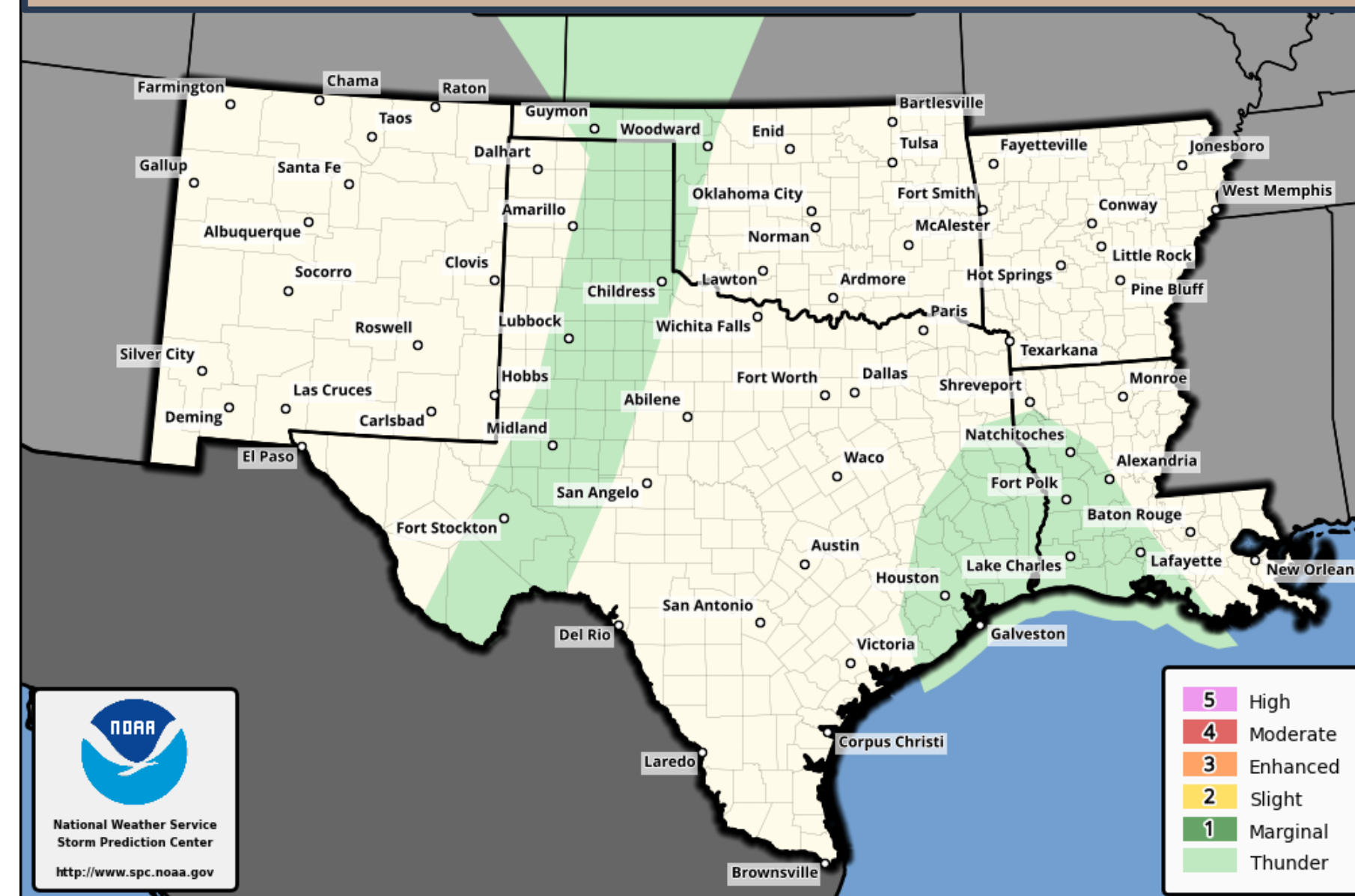
## Excessive Rainfall Outlook



Graphic Created



Graphic Created



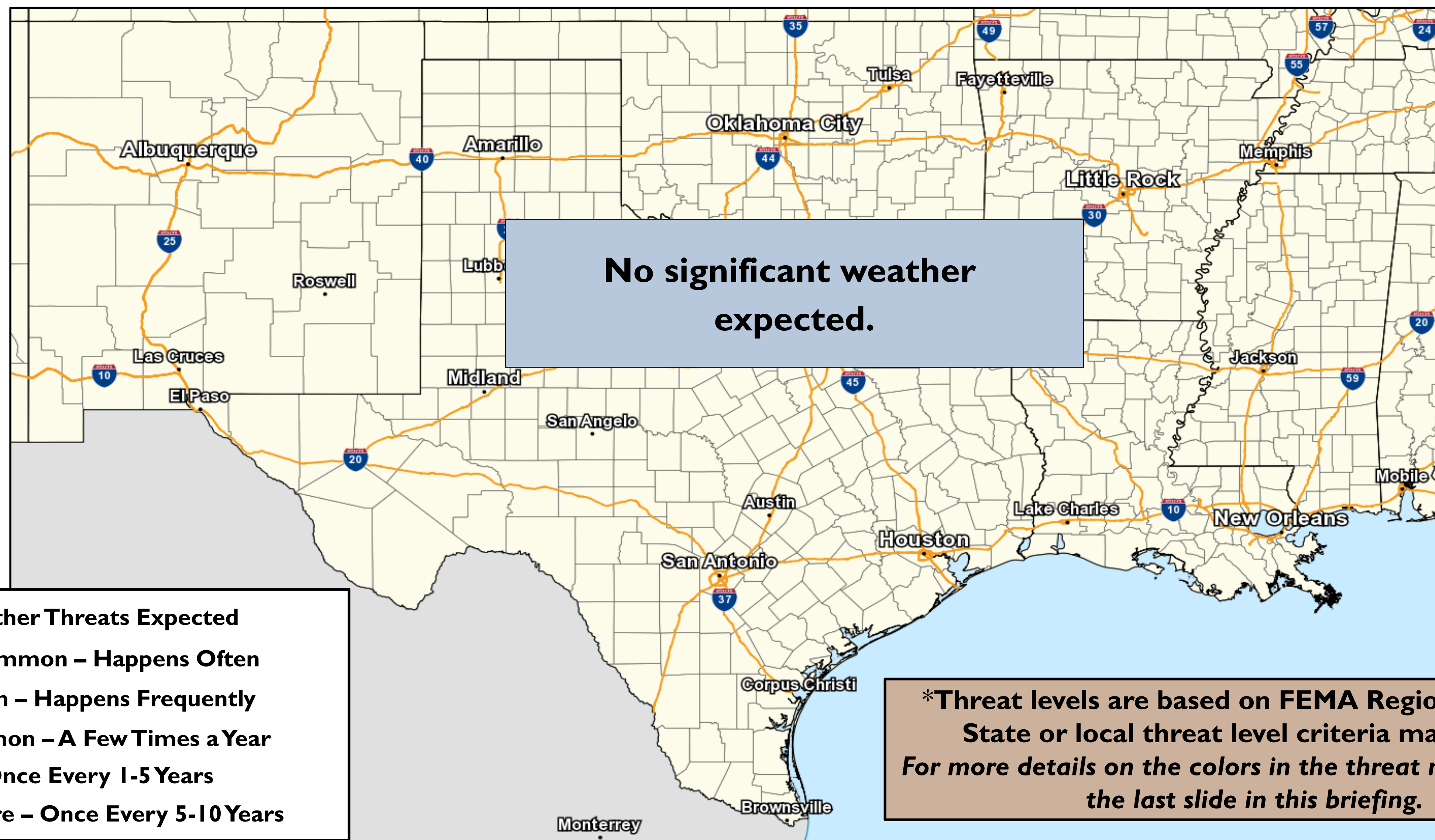


# Days 4-5 Weather Hazards

Sunday - Monday



SR ROC  
REGIONAL OPERATIONS CENTER





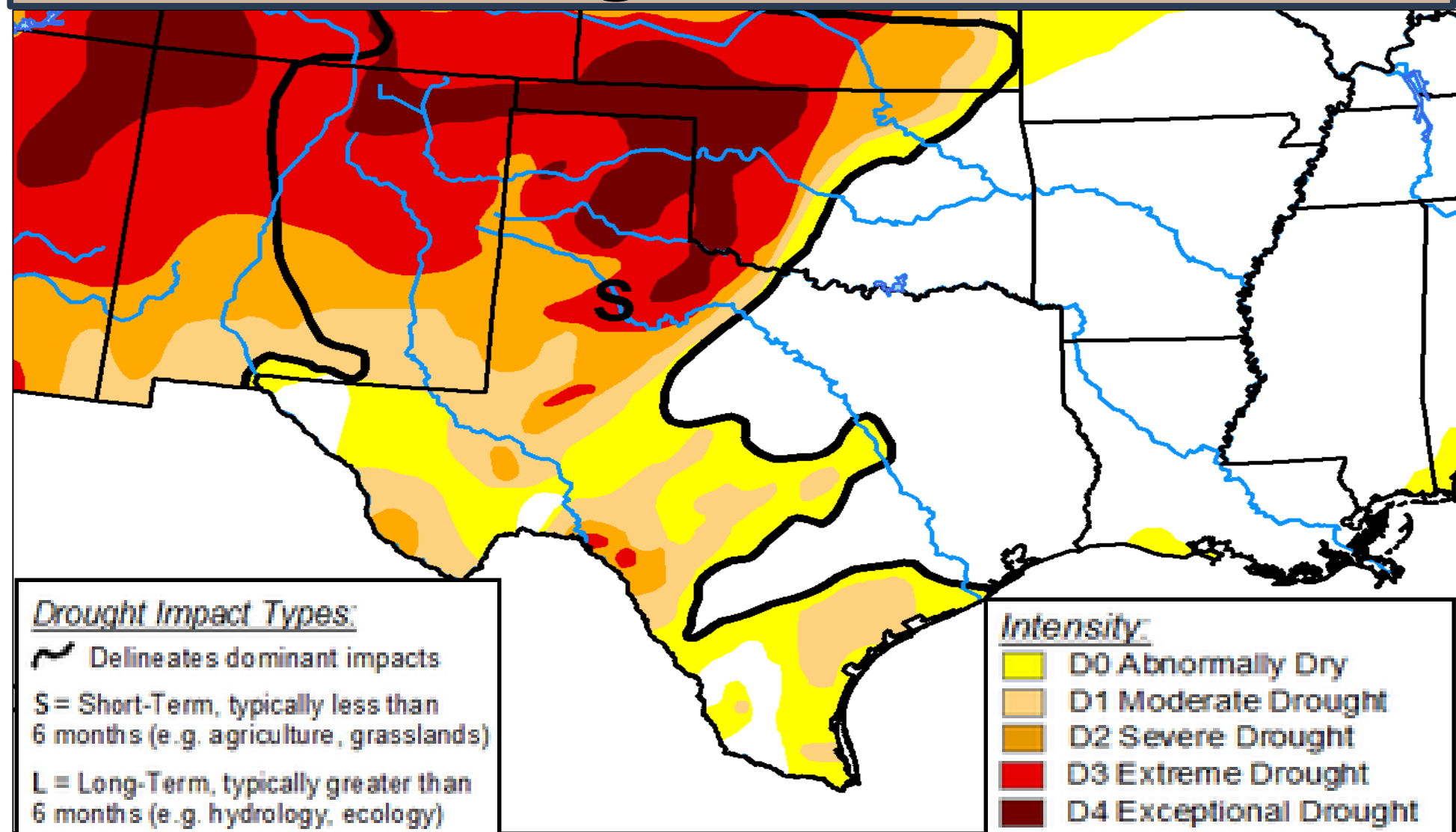
# Drought Monitor (Released May 10<sup>th</sup>, 2018)



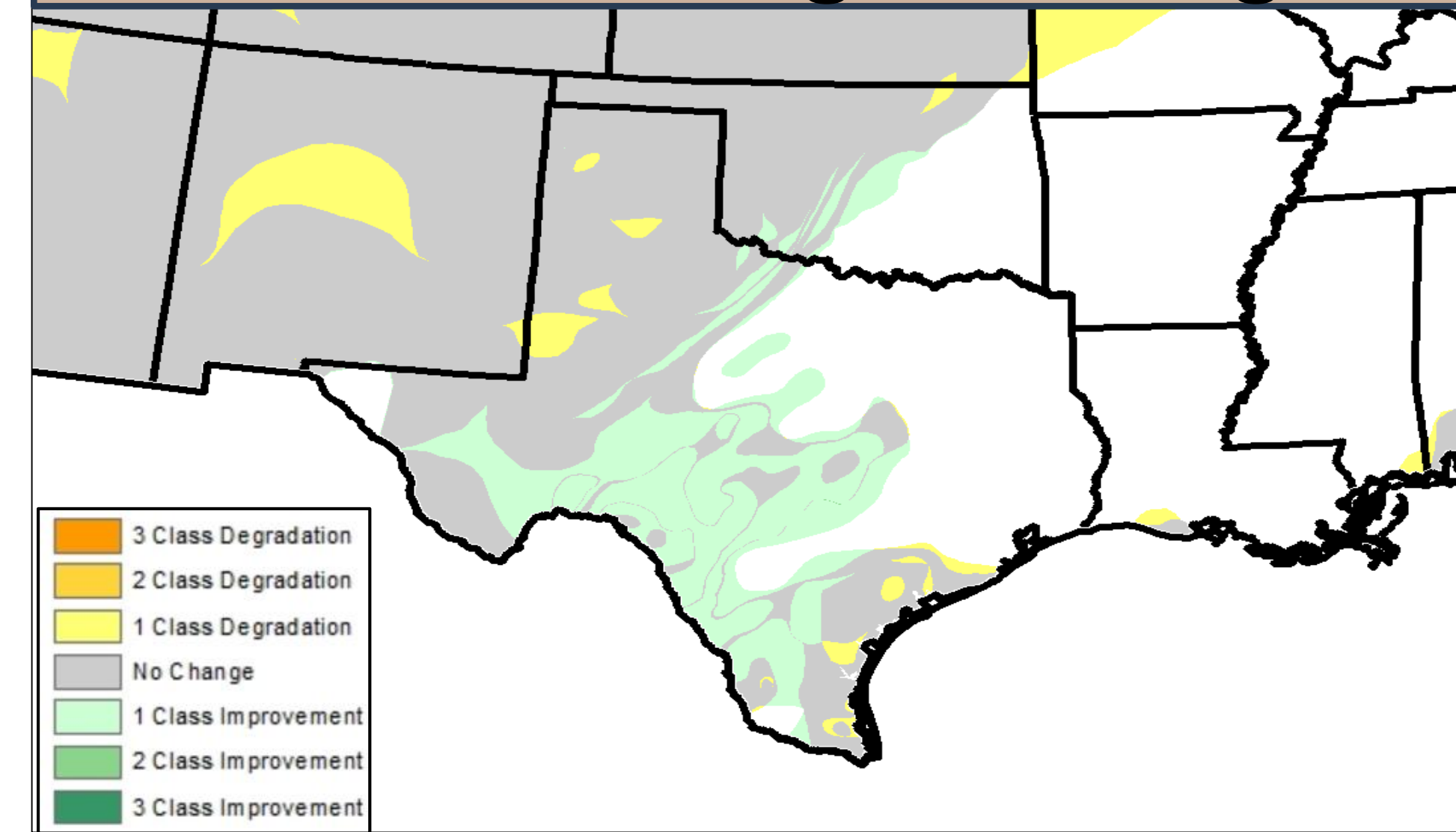
SR ROC  
REGIONAL OPERATIONS CENTER

Data valid as of 7am CDT, Tuesday, May 8<sup>th</sup>, 2018

## Drought Monitor



## One Week Change in Drought



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	2.37%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	34.40%	34.84%	37.76%	0.00%
Texas	12.97%	13.94%	11.79%	0.00%
New Mexico	55.38%	45.06%	0.27%	0.00%

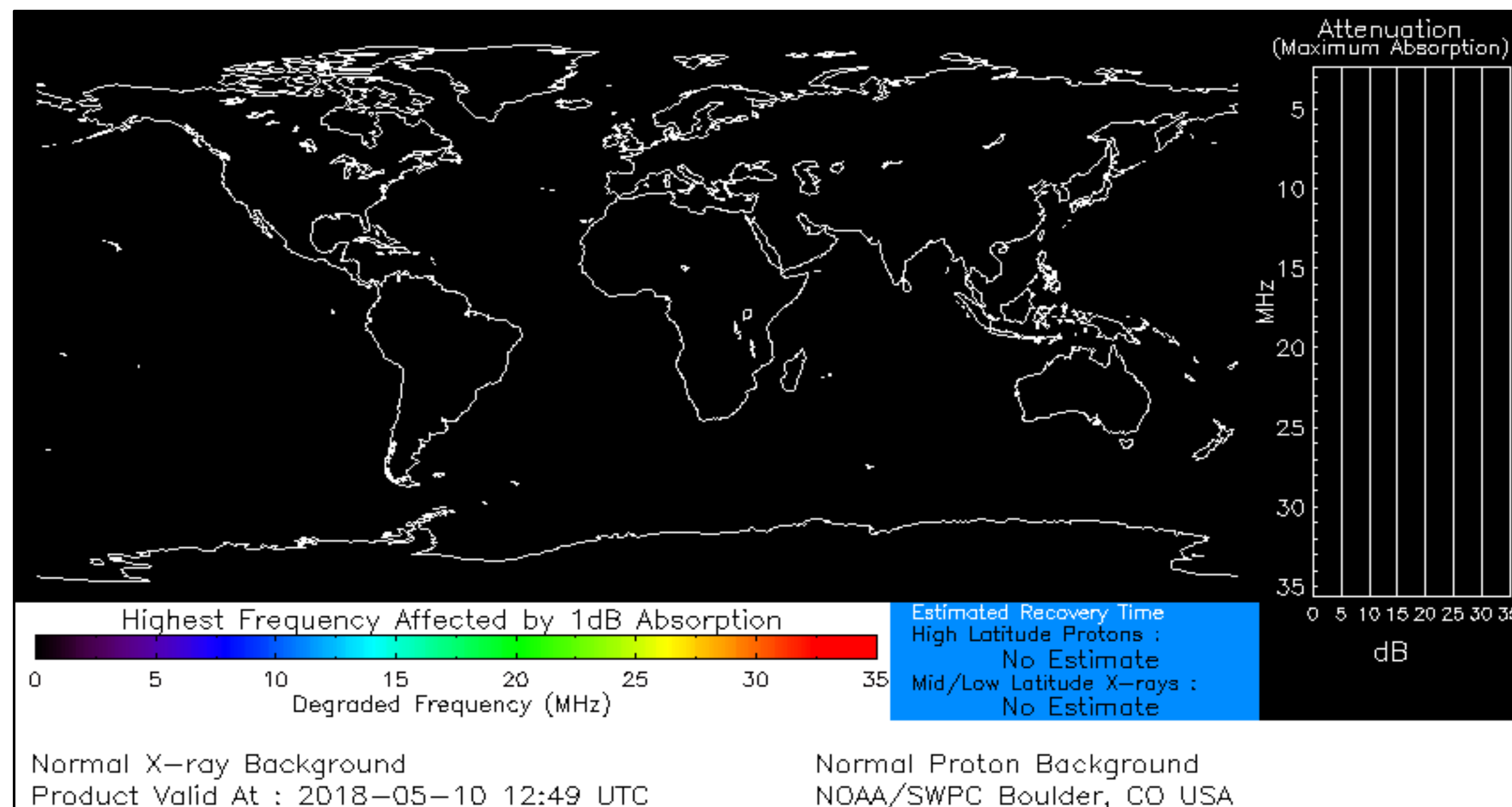


# Space Weather 3-Day Forecast



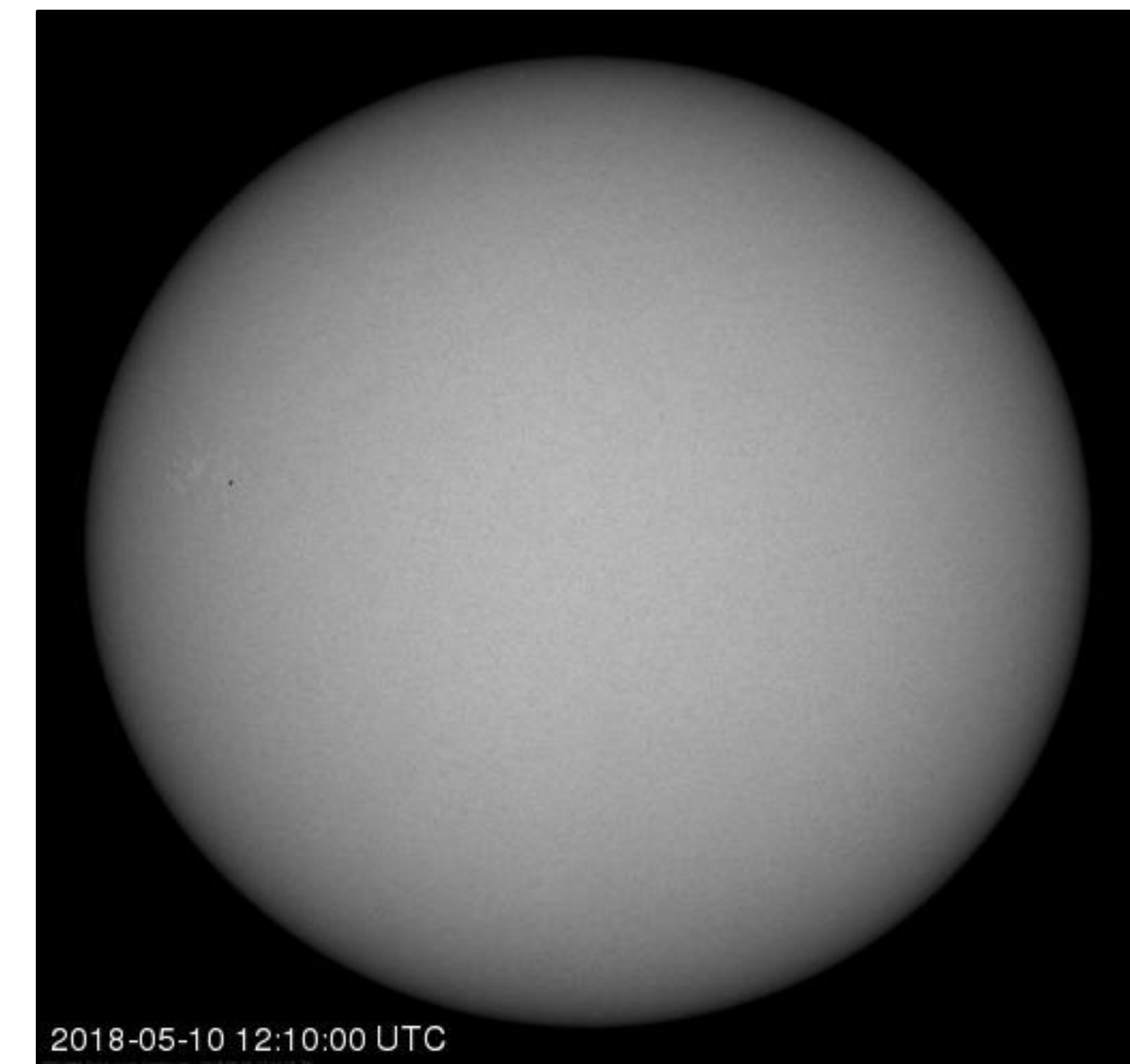
**SR ROC**  
REGIONAL OPERATIONS CENTER

	Thursday	Friday	Saturday
<b>Geomagnetic Storms</b>	<b>Quiet to Unsettled (Max Kp = 3)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a  
Description of the Space  
Weather Storm Scales](#)

[Click here for the Latest  
3-Day Space Weather  
Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**